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REVISION NO.

DATE: 7/27/81

~~xxSchool/Lab~~ ECSL/CSD

Award Period: From 7/24/81 To 8/24/81 (Performance) 8/31/81 (Reports)

Sponsor Amount: \$8,259 Contracted through:

Cost Sharing: GTRI/GIT

**Title:** Support for Load Management Systems Communications Design

OCA CONTACT Faith G. Costello

1) Sponsor Technical Contact: See Below

2) Sponsor Admin./Contractual Contact: Mr. Wayne Barrett, Southern Engineering Company,  
1000 Crescent Ave, NE, Atlanta, GA 30309

Reports: See Deliverable Schedule      Security Classification: N/A

Defense Priority Rating: N/A

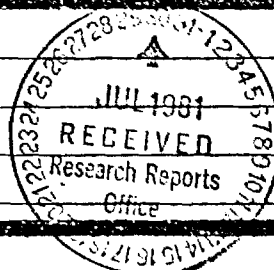
## RESTRICTIONS

See Attached	N/A	Supplemental Information Sheet for Additional Requirements
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Travel: Foreign travel must have prior approval - Contact OCA in each case. Domestic travel requires sponsor approval where total will exceed greater of \$500 or 125% of approved proposal budget category.

Equipment: Title vests with Sponsor; however, none proposed

COMMENTS:



COPIES TO:

Administrative Coordinator	Research Security Services	EES Research Public Relations
Research Property Management	<del>Reports</del> Coordinator (OCA)	Project File (OCA)
Accounting Office	Legal Services (OCA)	Other: _____
Procurement/EES Supply Services	Library, Technical Reports	

GEORGIA INSTITUTE OF TECHNOLOGY  
OFFICE OF CONTRACT ADMINISTRATION  
SPONSORED PROJECT TERMINATION

Date: 8/19/81

Project Title: Support for Load Management Systems Communications Design

Project No: A-3005

Project Director: Robert W. Rice

Sponsor: Southern Engineering Company

**TERMINATED**

Effective Termination Date: 8/31/81

Clearance of Accounting Charges: 8/31/81

Grant/Contract Closeout Actions Remaining:

- ☒ Final Invoice and Closing Documents
- ☐ Final Fiscal Report
- ☐ Final Report of Inventions
- ☐ Govt. Property Inventory & Related Certificate
- ☐ Classified Material Certificate
- ☐ Other \_\_\_\_\_

Assigned to: ECSL/CSD (School/Laboratory)

COPIES TO:

Administrative Coordinator  
Research Property Management  
Accounting Office  
Procurement Office  
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~~Reports Coordinator~~ (OCA)

Legal Services (OCA)  
Library, Technical Reports  
EES Research Public Relations (2)  
Project File (OCA)  
Other: \_\_\_\_\_



# Georgia Institute of Technology

ENGINEERING EXPERIMENT STATION

ATLANTA, GEORGIA 30332

August 11, 1981

Southern Engineering Company of Georgia  
1000 Crescent Ave., N.E.  
Atlanta, Georgia 30309

Attn: Mr. A. Wayne Barrett

Dear Mr. Barrett:

This letter constitutes a final report to you on our current project with you dealing with the license application of the Wabash Valley Power Association (WVPA). The activities undertaken by us are summarized below.

July 7, 1981: At this time, Georgia Tech submitted to Southern Engineering a proposal for consulting assistance on the WVPA licensing effort and was provided the background material describing the joint efforts by Motorola and WVPA thus far on the license application. The next week was spent reviewing this material and preparing for the meeting in Chicago.

July 14, 1981: On this date, Georgia Tech participated in a meeting in Chicago with Motorola and WVPA. The objective of this meeting was to determine the direction to be taken in subsequent license application activity. Georgia Tech demonstrated that there were viable alternatives to the use of a 153 MHz channel and that these alternatives appeared to be more consistent with the policies of the FCC. As a result of this, it was decided that where it was technically not possible to use the standard 154.46375 MHz load management channel, WVPA should pursue the use of a 173 MHz channel with waivers on transmitter

power and antenna height as needed. Motorola was designated to develop the technical documentation supporting the 173 MHz channel application, and Georgia Tech was designated to work with Motorola in the development of the application documents.

July 27, 1981: Georgia Tech participated in a joint meeting with Motorola and WVPA in Indianapolis to review the material prepared by Motorola and to make final preparations for the meeting with the FCC on the license application.

July 23, 1981: Georgia Tech participated in a meeting at the FCC's Washington offices involving the FCC, Motorola, and WVPA. In this meeting, a plan was presented to the FCC which called for four of the seven electric membership cooperatives along the Indiana-Ohio border to use the standard 154.46375 MHz channel and three of the border EMCs to use a 173 MHz telemetry and remote control channel with suitable waivers. The FCC appeared to be very receptive to the proposed plan and indicated that the requested waivers did not constitute a problem assuming that the frequency coordination report from the area Utilities Telecommunication Coordinator (UTC) agreed that no co-channel or adjacent channel problem exists. At this point, WVPA submitted the formal license application for the proposed plan.

July 24, 1981: Georgia Tech made a verbal report to Southern Engineering of both the Indianapolis and Washington, D.C. meetings. It is our understanding, that all further action on this application would be handled by either Motorola or WVPA.

Mr. A. Wayne Barrett  
August 11, 1981  
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Georgia Tech is pleased to be able to assist Southern Engineering in resolving the WVPA licensing problem, and should communications related issues arise in the future, either with WVPA or other organizations with which Southern Engineering works, it is our hope that you will call upon the Communications Systems Division again.

Respectfully submitted.

Robert W. Rice, Ph.D.  
Senior Research Engineer

RWR:ame  
cc: R.W. Moss